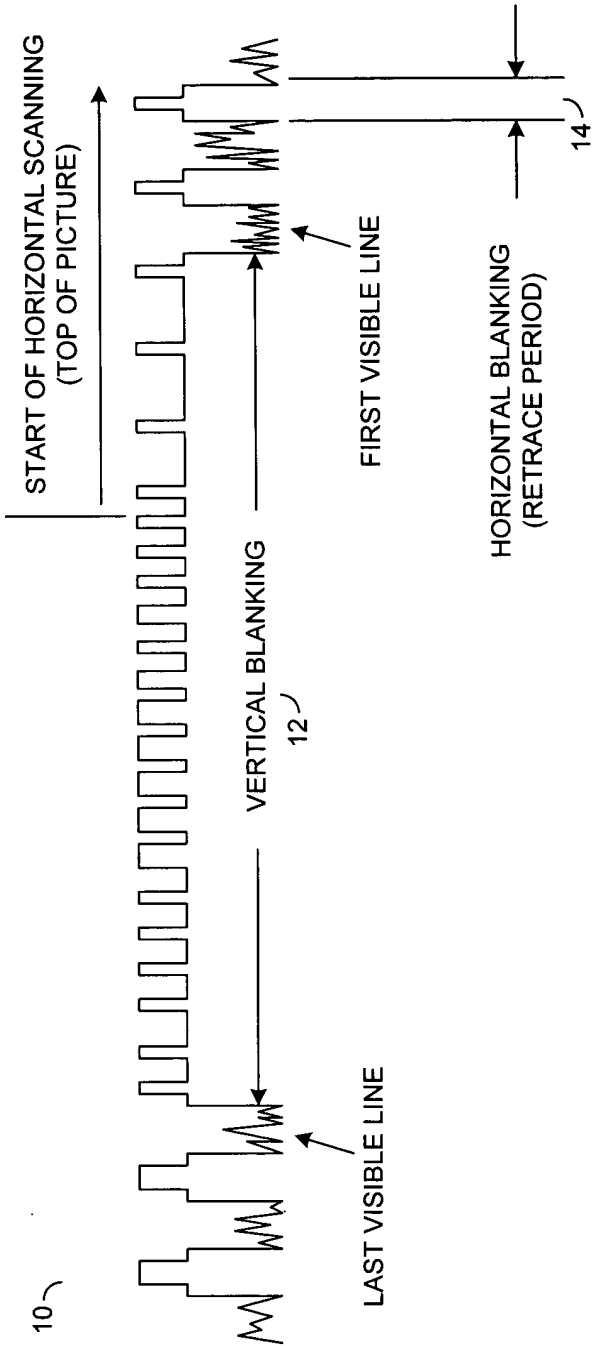
START OF HORIZONTAL SCANNING
(TOP OF PICTURE)
VERTICAL BLANKING
12
FIRST VISIBLE LINE
HORIZONTAL BLANKING
(RETRACE PERIOD)
14
LAST VISIBLE LINE
10

FIG. 1

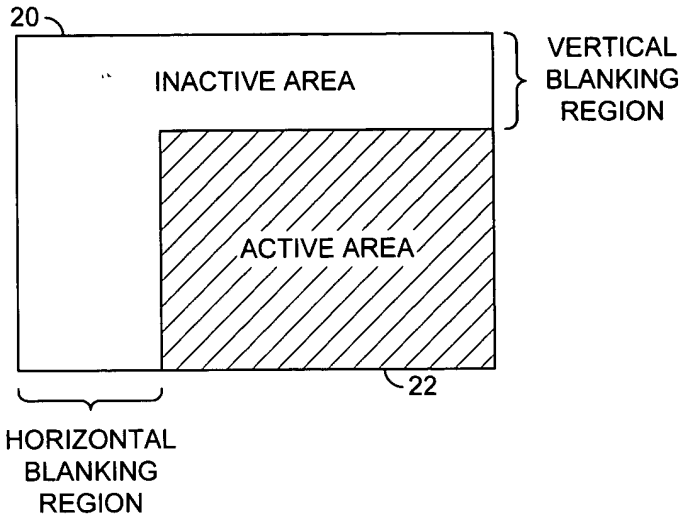
20
INACTIVE AREA
VERTICAL
BLANKING
REGION
ACTIVE AREA
22
HORIZONTAL
BLANKING
REGION

FIG. 2

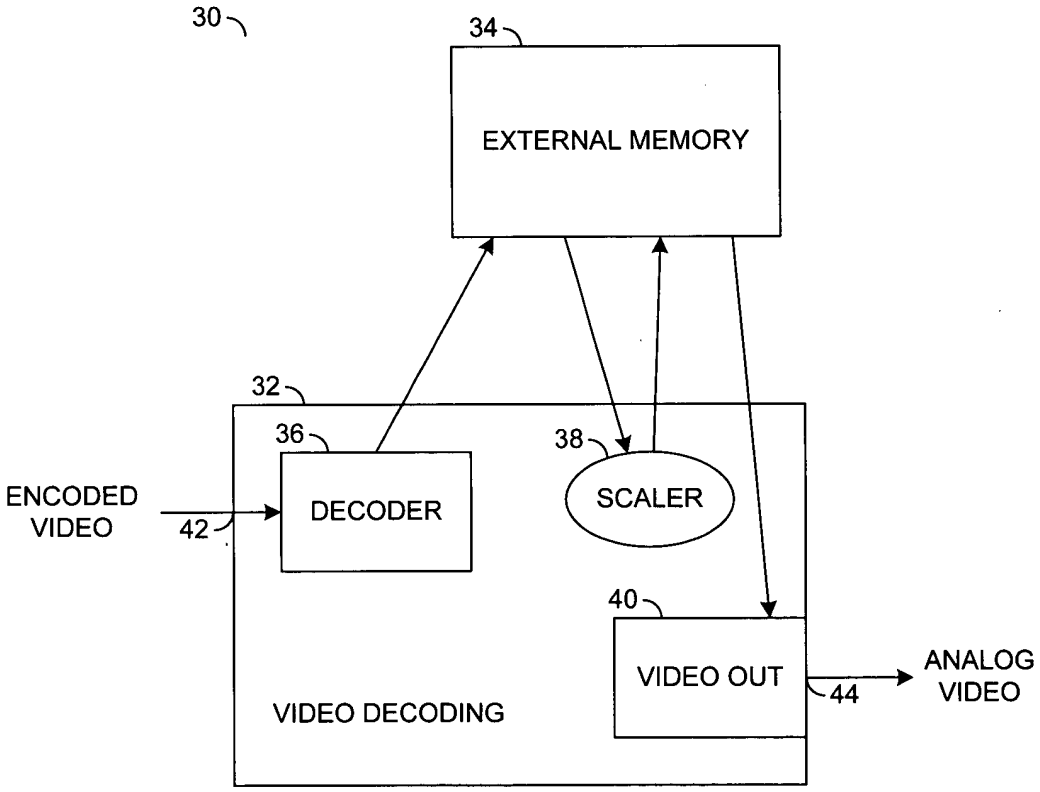
30
34
EXTERNAL MEMORY
32
36
38
ENCODED
VIDEO
42
DECODER
SCALER
40
VIDEO OUT
ANALOG
VIDEO
44
VIDEO DECODING

FIG. 3

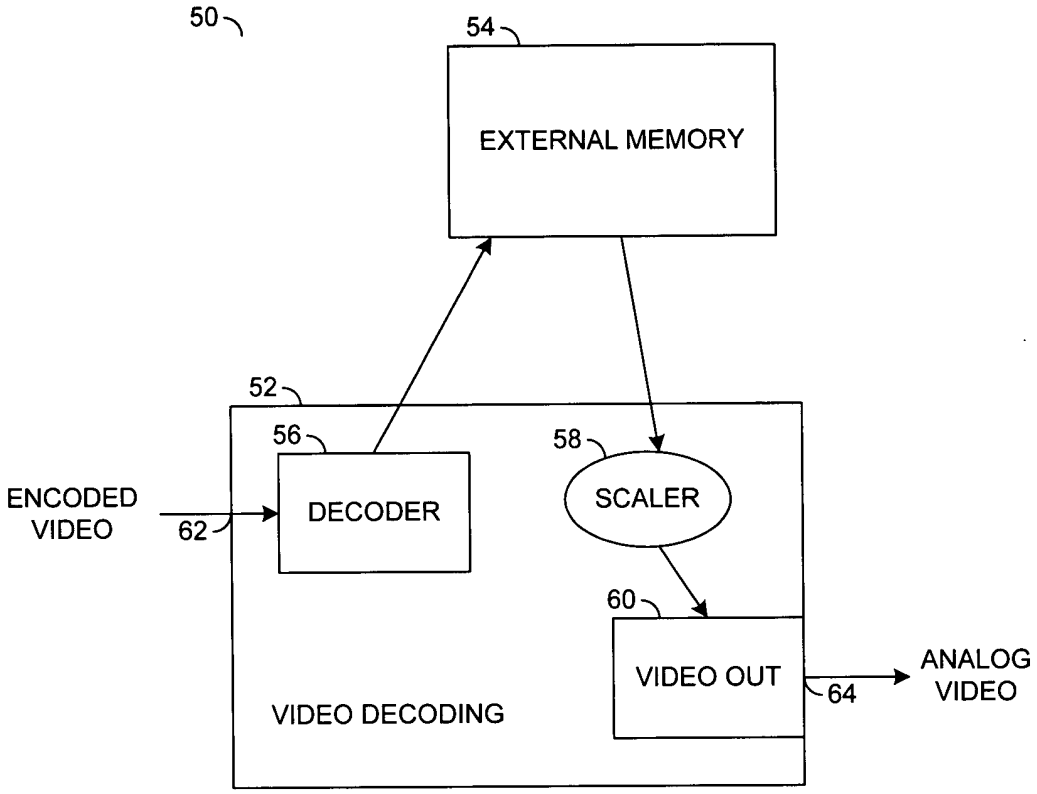
50
54
EXTERNAL MEMORY
52
56
58
ENCODED
VIDEO
62
DECODER
SCALER
60
VIDEO OUT
64
ANALOG
VIDEO
VIDEO DECODING

FIG. 4

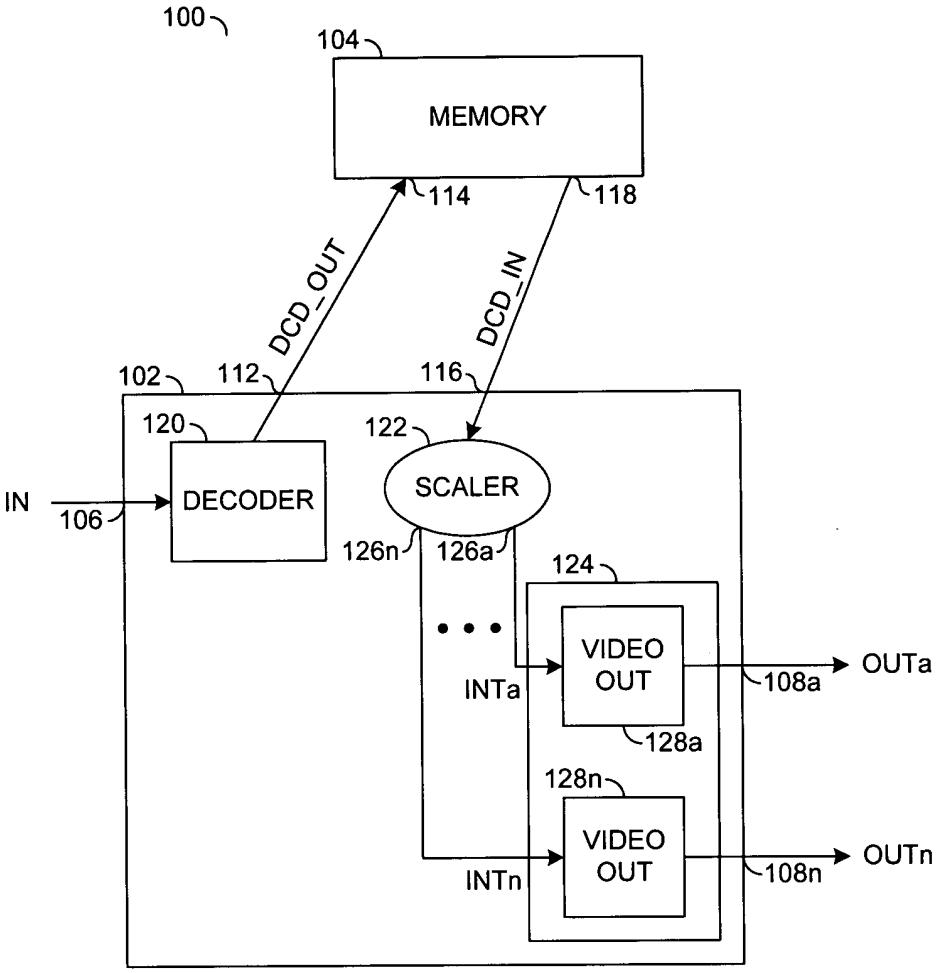
100
104
MEMORY
114
118
DCD_OUT
DCD_IN
102
112
116
120
122
IN
106
DECODER
SCALER
126n
126a
124
VIDEO OUT
INTa
108a
OUTa
128a
128n
VIDEO OUT
INTn
108n
OUTn

FIG. 5

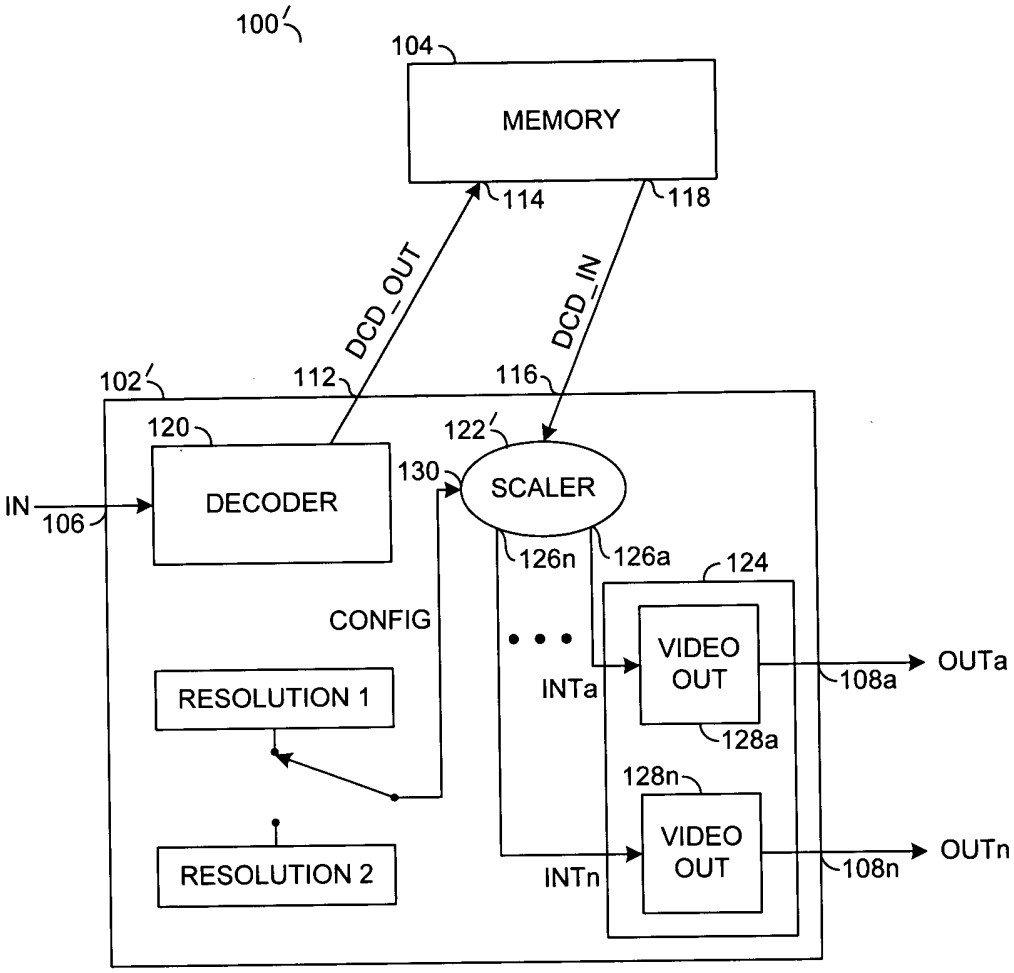
100
104
MEMORY
114
118
DCD_OUT
DCD_IN
102
112
116
120
122
130
IN
106
DECODER
SCALER
126n
126a
124
CONFIG
VIDEO OUT
OUTa
INTa
108a
128a
RESOLUTION 1
128n
VIDEO OUT
OUTn
RESOLUTION 2
INTn
108n

FIG. 6

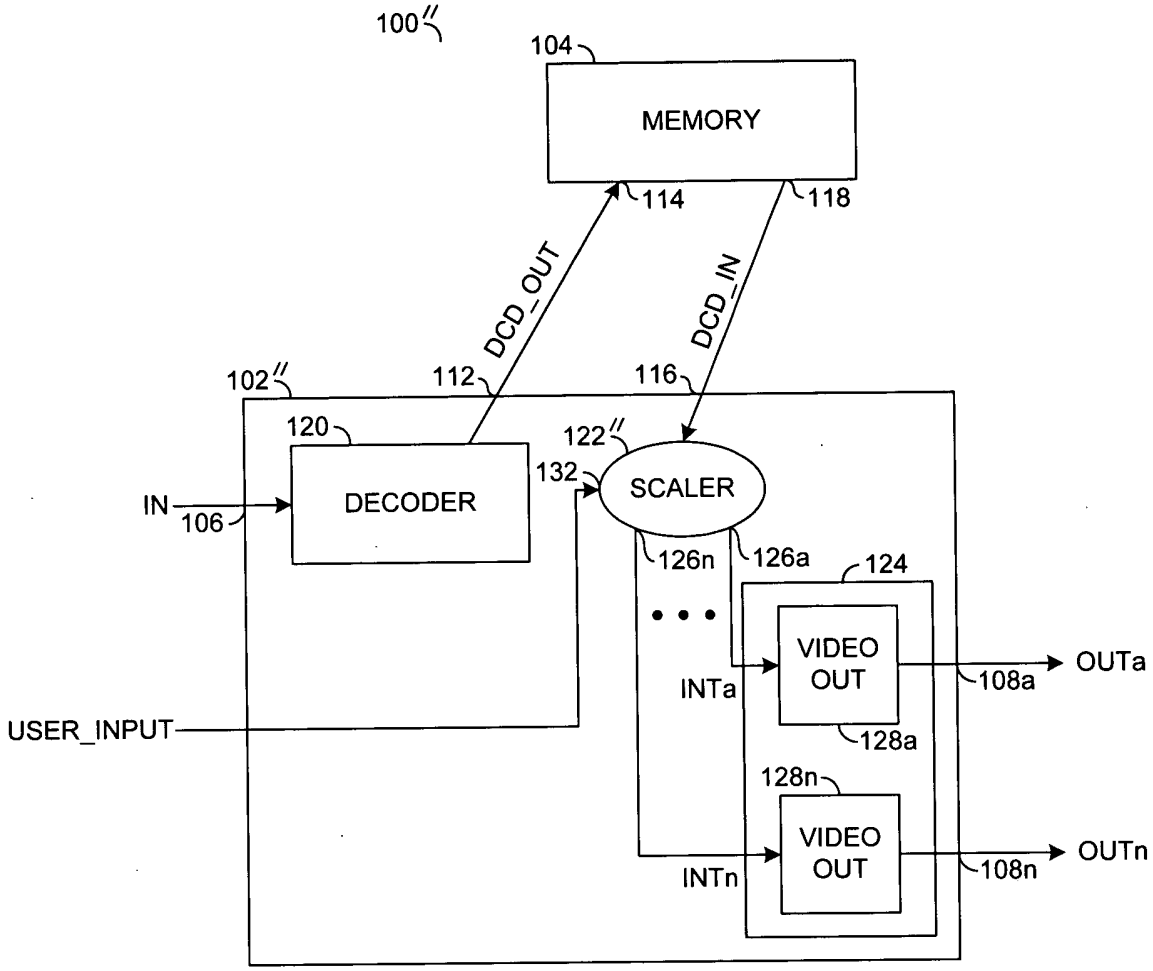
100
104
MEMORY
114
118
DCD_OUT
DCD_IN
102
112
116
120
122
132
IN
106
DECODER
SCALER
126n
126a
124
INTa
VIDEO OUT
108a
OUTa
128a
USER_INPUT
128n
INTn
VIDEO OUT
108n
OUTn

FIG. 7

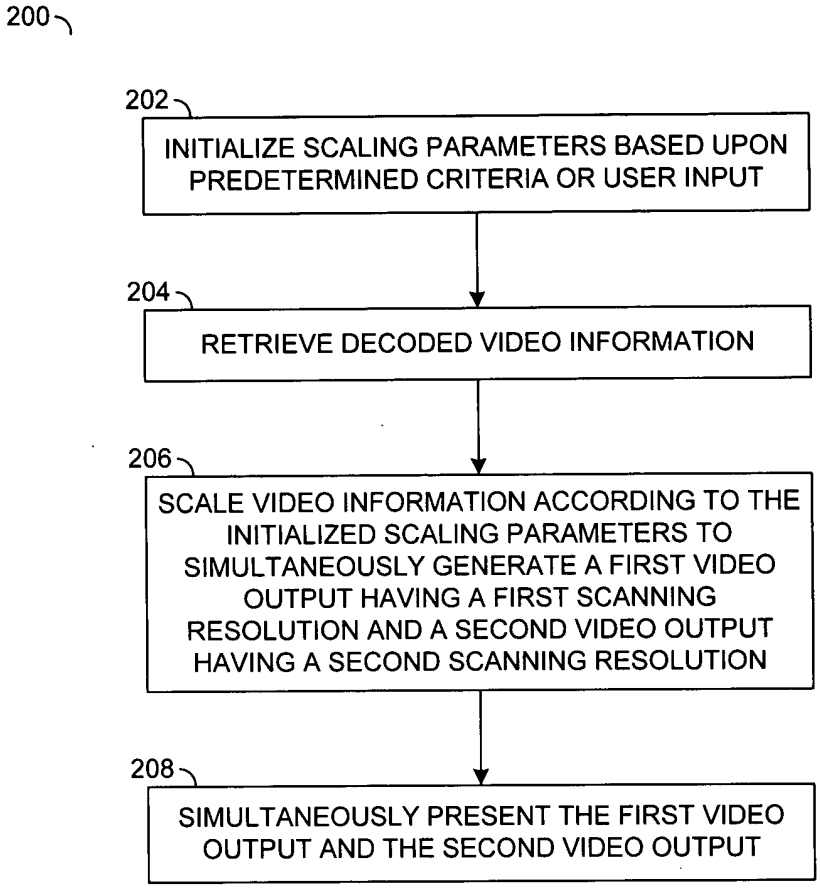
200
202
INITIALIZE SCALING PARAMETERS BASED UPON PREDETERMINED CRITERIA OR USER INPUT
204
RETRIEVE DECODED VIDEO INFORMATION
206
SCALE VIDEO INFORMATION ACCORDING TO THE INITIALIZED SCALING PARAMETERS TO SIMULTANEOUSLY GENERATE A FIRST VIDEO OUTPUT HAVING A FIRST SCANNING RESOLUTION AND A SECOND VIDEO OUTPUT HAVING A SECOND SCANNING RESOLUTION
208
SIMULTANEOUSLY PRESENT THE FIRST VIDEO OUTPUT AND THE SECOND VIDEO OUTPUT

FIG. 8